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IS 11898 (1986): Faller Bar Slides for Jute Drawing Frames
[TXD 14: Machinery for Fabric Manufacture]



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IS : 11898 - 1986

Indian Standard
SPECIFICATION FOR
FALLER BAR SLIDES FOR JUTE
DRAWING FRAMES

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May 1987

AMENDMENT NO. 1 OCTOBER 1997
TO
IS 11898 : 1986 SPECIFICATION FOR FALLER BAR
SLIDES FOR JUTE DRAWING FRAMES

(*Page 4, clause 3.2.1*) — Substitute 'IS 1586 : 1988*' for 'IS : 1586 - 1968*'.
1968*').

(*Page 4, clause 3.2.2*) — Substitute 'IS 6416 : 1988†' for 'IS : 6416 - 1971†'.
1971†').

(*Page 4, clause 3.2.2*) — Insert the following new clause after 3.2.2:

'3.3 Finish — The top surface of top and bottom slides shall be ground finish.'

(*Page 4, foot-notes*) — Substitute the following for the existing matter:

*'*Method for Rockwell hardness test for metallic material (Scales A-B-C-D-E-F-G-H-K) (second revision)'.*

†Method of measuring case depth of steel (first revision).'

(*Page 6, clause 6.1*) — Insert the words 'and damage during transit' at the end of the sentence.

(TX 11)

Indian Standard

SPECIFICATION FOR FALLER BAR SLIDES FOR JUTE DRAWING FRAMES

Jute Mill Accessories and Jute Machinery Spare Parts Sectional Committee, TDC 17

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Indian Standard
**SPECIFICATION FOR
FALLER BAR SLIDES FOR JUTE
DRAWING FRAMES**

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 5 December 1986, after the draft finalized by the Jute Mill Accessories and Jute Machinery Spare Parts Sectional Committee had been approved by the Textile Division Council.

0.2 The need to publish this standard was felt in order to provide guidance to the manufacturers of faller bar slides for use in jute drawing frames. This would ensure the manufacturing of faller bar slides of acceptable quality and hence improving the efficiency and productivity of drawing frames in jute industry.

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard prescribes requirements for faller bar slides for use in drawing frames in jute mill.

2. MATERIAL USED IN MANUFACTURE

2.1 Top and bottom slides shall be manufactured from steel conforming to designation 55C8 as per IS : 1570 (Part 2)-1979†.

*Rules for rounding off numerical values (revised).

†Schedules for wrought steels: Part 2 Carbon steels (unalloyed steels) (first revision).

3. REQUIREMENTS

3.1 Dimensions — The dimensions of the faller bar slides shall be as agreed to between the manufacturer and the purchaser. The dimensions declared by the manufacturer shall be subject to the following tolerances:

Length, mm	± 0.25
Width, mm	$+ 0.00$ $- 0.15$
Thickness, mm	$+ 0.00$ $- 0.15$
Width of nose (for top slide only), mm	$+ 0.00$ $- 0.15$

3.2 The hardness of top slides shall be within 58 to 62 *HRC* with a case depth of 0.75 mm minimum. The bottom faller bar slides shall be hardened up to 25 mm from both the ends to a hardness of 55 to 65 *HRC* with a case depth of 0.75 mm minimum.

3.2.1 Hardness shall be determined by the method prescribed in IS : 1586-1968*.

3.2.2 Case depth shall be determined by the methods prescribed in IS : 6416-1971†.

4. MARKING

4.1 Each slide shall be legibly marked with the manufacturer's name or trade-mark.

4.1.1 The faller bar slides may also be marked with the Standard Mark.

NOTE — The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act 1986 and the Rules and Regulations made thereunder. The Standard Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well defined system of inspection, testing and quality control which is devised and supervised by BIS and operated by the producer. Standard marked products are also continuously checked by BIS for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

5. SAMPLING AND CRITERIA FOR CONFORMITY

5.1 Lot — In any consignment, all the faller bar slides for jute drawing frames shall constitute a lot.

*Methods of Rockwell hardness test (B and C Scales) for steel (*first revision*).

†Methods for measuring case depth of steel.

5.2 Samples shall be tested for each lot for ascertaining the conformity of the material to the requirements of this specification.

5.3 The number of faller bar slides for jute drawing frames to be chosen from the lot shall depend upon the size of the lot and shall be in accordance with Table 1.

TABLE 1 NUMBER OF FALLER BAR SLIDES FOR JUTE DRAWING FRAMES TO BE SELECTED

LOT SIZE	SAMPLE SIZE	ACCEPTANCE NUMBER	SUB-SAMPLE SIZE	ACCEPTANCE NUMBER FOR SAMPLE
(1)	(2)	(3)	(4)	(5)
Up to 50	3	0	1	0
51 to 100	5	0	2	0
101 to 150	8	1	3	0
151 to 300	13	2	5	0
301 and above	20	3	5	0

5.4 The faller bar slides for jute drawing frames shall be selected from the lot at random and in order to ensure the randomness of selection, the procedure given in IS : 4905-1968*, may be followed.

5.5 Number of Tests

5.5.1 Tests for dimensional requirements shall be conducted on the sample selected as given in col 2 of Table 1.

5.5.2 Tests for all other requirements given in this specification shall be conducted on sub-sample.

5.6 Criteria for Conformity

5.6.1 If any faller bar slide for jute drawing frame fails in any of the dimensional requirements given in this standard, it shall be declared as defective. The lot shall be declared as conforming to the requirements of dimensional characteristics if the number of defective faller bar slides for jute drawing frames is less than or equal to the corresponding acceptance number given in col 3 of Table 1.

5.6.2 For the other requirements tested on the sub-sample, any faller bar slide for jute drawing frame shall be declared as defective if it fails to meet any of the requirements other than dimensional requirements. The lot shall be declared as conforming to the requirements if the number of defective faller bar slides for jute drawing frames is less than

*Methods for random sampling.

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or equal to the corresponding acceptance number for sub-sample given in col 5 of Table 1.

5.6.3 The lot shall be declared as conforming to the requirements of this standard if 5.6.1 and 5.6.2 are satisfied.

6. PACKING

6.1 Faller bar slides shall be packed in such a way so as to ensure complete protection from rust.

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